



# Cytokines for Organoid Culture

## ■ Organoid Culture Is Challenging

Organoids are in vitro miniaturized and simplified model systems of organs that have gained enormous interest for modeling tissue development and disease, and for personalized medicine, drug screening, and cell therapy.

Organoid cultures typically contain multiple components and can be highly variable for different types of organoids. Identifying and optimizing the conditions for culturing organoids can be technically challenging. This is achieved by optimizing culture growth conditions, such as providing a basement membrane matrix and adding a selection of agonists (e.g. Wnt and tyrosine kinase receptor) and inhibitors (e.g. BMPs/TGFB).

## ■ Why Choose Creative BioMart?

Creative BioMart is a professional protein supplier for organoid research. To satisfy your requirements, we have developed a series of high-quality cytokines for organoid culture that have been verified to promote organoid growth.

- Verified Bioactivity
- Batch-to-batch Consistency
- Low Endotoxin
- High Yield
- High Purity
- Animal-free
- High Stability
- Low Immunogenicity
- Vast Selection

### Cytokines for Organoid Culture

Organoid Type	Cytokines
Gastric epithelial	EGF, NOG/Noggin, RSPO1/ R-spondin 1, WNT3A, FGF10, Gastrin, Activin A, FGF4, BMP4

<b>Intestinal epithelial</b>	EGF, NOG/Noggin, RSPO1/ R-spondin 1, WNT3A, Activin A, FGF4, BMP4, IGF1, FGF2
<b>Liver</b>	EGF, NOG/Noggin, RSPO1/ R-spondin 1, WNT3A, Activin A, FGF2, FGF4, BMP4, BMP2, HGF, FGF7, TGFA, Insulin
<b>Lung</b>	NOG/Noggin, RSPO1/ R-spondin 1, Activin A, FGF2, FGF7, FGF4, BMP4, FGF10
<b>Brain</b>	FGF2, FGF7, FGF8, Insulin, TGFB, BMP7, SHH, BDNF, GDNF
<b>Kidney</b>	BMP2, BMP4, BMP7, FGF2, FGF9
<b>Pancreas</b>	FGF10, EGF, NOG/Noggin, RSPO1/ R-spondin 1, WNT3A
<b>Prostate gland</b>	EGF, NOG/Noggin, RSPO1/ R-spondin 1, WNT10B, Activin A, FGF2, FGF10
<b>Breast</b>	EGF, NOG/Noggin, RSPO1/ R-spondin 1, RSPO2, FGF2, FGF10, WNT3A, NGR1
<b>Retina</b>	WNT3A, SHH
<b>Inner ear</b>	FGF2, BMP4

Please contact us for more information on our cytokines products!

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Near Native Structure  
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